ABSTRACT

A multiple access communications system achieving an improvement in transmission efficiency is disclosed. A slave station receives data from variable speed data terminals and generates a plurality of data packets. The slave station then transmits a transmission request packet containing a total amount of data packets to

5   be concatenated to a master station. The master station transmits a transmission permission packet containing a total amount of data packets permitted to be concatenated through a broadcast line to the slave station. The slave station concatenates a plurality of uplink transmission data packets within a predetermined range, and transmits a concatenated uplink transmission data packet to the master

10 station through the multiple access line network.